



United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



IN REPLY REFER TO: MT-450

May 8, 2014

FAXOGRAM: Water Order Change

To: Chief, Power Supply and Billing Division, WAPA, Watertown, South Dakota
Attention: F-6300
Chief, Power Dispatching Branch, WAPA, Loveland, Colorado
Attention: J-4120
Facilities Manager, Helena, Montana
Attention: MT-800, MT-810, MT-831
Project Manager, Mills, Wyoming
Attention: WY-4000, WY-4100, WY-6400
PPL Energy Plus, LLC, Butte, Montana
Attention: Resource Coordinator, Deb Mallowney

From: Reservoir and River Operations, Billings, Montana /S/ Tim H. Felchle
Subject: **Canyon Ferry Water Release Order - CFR No. 14-20**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3778.93; Storage: 1,328,795 acre-feet; River Release: 8,400 cfs; Inflow: 11,670 cfs;

GENERAL COMMENTS:

Western Area Power Administration has requested a decrease in turbine releases. Also, the Helena Valley Irrigation District plans to start diversions through Unit #1 on Tuesday, May 13th. In response the following operation changes are required at Canyon Ferry Dam and Powerplant.

CANYON FERRY RELEASES AND OPERATIONS: Times are Mountain Daylight Savings Time (MDST)

At 1600 hour on Thursday, May 8, 2014:

*Decrease releases through the river outlet gates to 0 cfs.
Increase releases through the spillway gates to 3,680 cfs.
Decrease turbine release to $\approx 4,320$ cfs (≈ 924 MW-Hrs/day using 112.2 cfs/mw).
Maintain release for Helena Valley Project at 415 cfs (190 cfs pumped to Helena Valley and 225 cfs discharged to the Missouri River).
Maintain release to the Missouri River at 8,225 cfs.
Maintain total release from Canyon Ferry at 8,415 cfs.*

At 1000 hour on Tuesday, May 13, 2014:

*Maintain releases through the river outlet gates at 0 cfs.
Decrease releases through the spillway gates to 3,520 cfs.
Maintain turbine release at $\approx 4,320$ cfs (≈ 924 MW-Hrs/day using 112.2 cfs/mw).
Increase release for Helena Valley Project to 575 cfs (250 cfs pumped to Helena Valley and 325 cfs discharged to the Missouri River).
Decrease release to the Missouri River to 8,165 cfs.
Maintain total release from Canyon Ferry at 8,415 cfs.*

At 0800 hour on Saturday, May 17, 2014:

*Increase releases through the river outlet gates to 1,840 cfs.
Decrease releases through the spillway gates to 0 cfs.
Increase turbine release to $\approx 6,000$ cfs (≈ 1283 MW-Hrs/day using 112.2 cfs/mw).
Maintain release for Helena Valley Project at 575 cfs (250 cfs pumped to Helena Valley and 325 cfs discharged to the Missouri River).
Maintain release to the Missouri River to 8,165 cfs.
Maintain total release from Canyon Ferry to 8,415 cfs.*